

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An apparatus for discharging a material to an object, comprising:
an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row having an arrangement of a plurality of nozzles;
a supporting mechanism that supports the plurality of heads; and
a mechanism that scans at least one of the object and the supporting mechanism relative to each other in a scanning direction; and
a control device that moves the ink jet head, the control device including first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to the scanning direction,
wherein the nozzle row is inclined relative to the scanning direction.
2. (Original) An apparatus for discharging a material according to Claim 1, the plurality of the heads being supported obliquely relative to a longitudinal direction of the supporting mechanism.
3. (Original) An apparatus for discharging a material according to Claim 1, at least one of the object and the supporting mechanism being scanned relative to the other in at least one of a main scanning direction and a sub-scanning direction crossing the main scanning direction.
4. (Original) An apparatus for discharging a material according to Claim 1, the plurality of the heads having substantially a same nozzle pitch of the nozzle rows, and substantially a same inclination angle of the nozzle rows.
5. (Currently Amended) An apparatus for discharging a material to an object, comprising:
an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row having an arrangement of a plurality of nozzles;
a supporting mechanism that supports the plurality of the heads;
a mechanism that scans at least one of the object and the supporting mechanism relative to each other;
a control device that moves the ink jet head, the control device including first, second and third motors that rotate about first, second and third orthogonal axes, respectively,

the third axis being parallel to a scanning direction; and

a mechanism that controls an angle formed by at least one of the nozzle rows and the scanning direction.

6. (Original) An apparatus for discharging a material according to Claim 5, further comprising:

a mechanism for controlling a spacing between the plurality of the nozzle rows.

7. (Original) An apparatus for discharging a material according to Claim 5, the mechanism that controls the angle between at least one nozzle row and the scanning direction controlling the angle in such a manner that the plurality of the heads have substantially the same nozzle pitch of the nozzle rows and substantially the same inclination angle of the nozzle rows.

8. (Withdrawn) A method of discharging a material to an object, comprising:
scanning at least one of a plurality of heads and a supporting mechanism that supports the plurality of the heads relative to each other, the heads each having a nozzle row including an arrangement of a plurality of nozzles; and
discharging the material to the object,
wherein at least one of the nozzle rows is inclined relative to the scanning direction.

9. (Withdrawn) A method for discharging a material according to Claim 8, one of the object and the supporting mechanism being scanned relative to the other in at least one of a main scanning direction and a sub-scanning direction crossing the main scanning direction.

10. (Withdrawn) A method for discharging a material according to Claim 8, the plurality of the heads having substantially the same nozzle pitch and substantially the same inclination angle of the nozzle rows.

11. (Withdrawn) A method for discharging a material according to Claim 8, further comprising:
controlling the angle formed by at least one of the nozzle rows and a scanning direction.

12. (Withdrawn) A method for discharging a material according to Claim 8, further comprising:
controlling a spacing between the plurality of the nozzle rows.

13. (Original) An apparatus for producing a color filter comprising a discharging apparatus according to Claim 1,

a color filter material being the material that is discharged to a substrate serving as the object.

14. (Original) An apparatus for manufacturing an EL device comprising a discharging apparatus according to Claim 1,

an EL luminescent material being the material that is discharged to a substrate serving as the object.

15. (Withdrawn) An electronic apparatus comprising a component manufactured by a manufacturing method comprising a method of discharging a material according to Claim 10.

16. (Currently Amended) An apparatus for producing a color filter, comprising:
an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row including an arrangement of a plurality of nozzles;

a control device that moves the ink jet head, the control device including first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction;

a mechanism that supplies a filter material to the heads; and
a supporting mechanism that supports the plurality of the heads,
wherein the supporting mechanism supports the plurality of the heads in an inclined state.

17. (Original) An apparatus for producing a color filter according to Claim 16, the supporting mechanism supporting the heads in a fixed state.

18. (Original) An apparatus for producing a color filter according to Claim 16, the plurality of the heads having substantially a same nozzle pitch of the nozzle rows, and substantially a same inclination angle of the nozzle rows.

19. (Currently Amended) An apparatus for producing a color filter, comprising:
an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row including an arrangement of a plurality of nozzles;

a mechanism that supplies a filter material to the heads;
a supporting mechanism that supports the plurality of the heads;
a main scanning mechanism that moves the supporting mechanism by main scanning;

a sub-scanning mechanism that moves the supporting mechanism by sub-scanning;

a control device that moves the ink jet head, the control device including first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction;

a nozzle row angle control mechanism that controls the inclination angles of the plurality of the nozzle rows; and

a nozzle row spacing control mechanism that controls a spacing between the plurality of the nozzle rows.

20. (Original) An apparatus for producing a color filter according to Claim 19, the plurality of the heads having substantially a same nozzle pitch and substantially a same inclination angle of the nozzle rows.

21. (Withdrawn) A method of producing a color filter, comprising:
moving, in a main scanning direction, a head having a nozzle row comprising an arrangement of a plurality of nozzles while discharging a filter material from the plurality of nozzles to form a filter element on a substrate,
wherein a plurality of the heads are provided to be arranged in an inclined state.

22. (Withdrawn) A method for producing a color filter according to Claim 21, the plurality of the heads have substantially a same nozzle pitch of the nozzle rows, and substantially a same inclination angle of the nozzle rows.

23. (Currently Amended) An apparatus for manufacturing a liquid crystal device, comprising:

an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row including an arrangement of a plurality of nozzles;

a control device that moves the ink jet head, the control device including first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction;

a mechanism that supplies a filter material to the heads;

a supporting mechanism that supports the plurality of the heads;

a main scanning mechanism that moves the supporting mechanism by main scanning; and

a sub-scanning mechanism that moves the supporting mechanism by sub-scanning,

wherein the supporting mechanism supports the plurality of the heads in an inclined state.

24. (Withdrawn) A method of manufacturing a liquid crystal device, comprising:
moving, in a main scanning direction, a head having a nozzle row having an arrangement of a plurality of nozzles while discharging a filter material from the plurality of nozzles to form a filter element on a substrate,

wherein a plurality of the heads are provided to be arranged in an inclined state.

25. (Currently Amended) An apparatus for manufacturing an EL device, comprising:

an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row having an arrangement of a plurality of nozzles;

a control device that moves the ink jet head, the control device including first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction;

a mechanism that supplies an EL luminescent material to the heads;

a supporting mechanism that supports the plurality of the heads;

a main scanning mechanism that moves the supporting mechanism by main scanning;

a sub-scanning mechanism that moves the supporting mechanism by sub-scanning;

a nozzle row angle control mechanism that controls the inclination angles of the plurality of the nozzle rows; and

a nozzle row distance control mechanism that controls a spacing between the plurality of the nozzle rows.

26. (Withdrawn) A method of manufacturing an EL device, comprising:
moving, in a main scanning direction, a head having a nozzle row including an arrangement of a plurality of nozzles while discharging an EL luminescent material from the plurality of nozzles to form an EL luminescent layer on a substrate,

wherein a plurality of the heads are provided to be arranged in an inclined state.